

DEVICE AND METHOD FOR NORMALIZING GAS FLOW
THROUGH MULTIPLE REACTION VESSELS

ABSTRACT

5 A device and method for normalizing the gas flow through multiple reaction vessels used for conducting and analyzing simultaneous reactions. The device includes a plurality of reaction vessels having different first gas flow rates and an adjustment mechanism for adjusting the gas flow through each of the reaction vessels to produce a second gas flow rate that is substantially the same for each of the reaction vessels. The method includes connecting the reaction vessels to a controlled vacuum source, one at a time, and adding an amount of various condensed phased materials to the reaction vessels to produce a predetermined second pressure drop reading corresponding to a second gas flow rate that is substantially the same for each of the reaction vessels.